PTO-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO THE UNITED STATES			37737-012		
DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/540,161			
INTERNATIONAL APPLICATION NO. PCT/GB03/05565		INTERNATIONAL FILING DATE 18 December 2003	PRIORITY DATE CLAIMED 20 December 2002		
TITLE OF INVENTION	TITLE OF INVENTION Nanostructures				
APPLICANT(S) FOR DO/	O/US University of	Nottingham			
Applicant herewith subr	nits to the United Sta	ates Designated/Elected Office (DO/EC	O/US) the following items and other information:		
1. This is a FIRST	submission of items co	oncerning a submission under 35 U.S.C. 371	l.		
2. This is a SECON	D or SUBSEQUENT S	submission of items concerning a submission	n under 35 U.S.C. 371.		
	s request to begin nati (21) indicated below.	ional examination procedures (35 U.S.C. 37	1(f)). The submission must include items		
4. The US has bee	n elected (Article 31).				
5. A copy of the I	nternational Application	n as filed (35 U.S.C. 371(c)(2))			
a. 🔲 is att	ached hereto (required	d only if not communicated by the Internation	nal Bureau).		
b. has i	peen communicated by	y the International Bureau.			
c. is no	t required, as the appli	cation was filed in the United States Receiving	ing Office (RO/US).		
6. An English lan	guage translation of the	e International Application as filed (35 U.S.C	C. 371(c)(2)).		
ais at	a. is attached hereto.				
b. L has	been previously submi	itted under 35 U.S.C. 154(d)(4).			
7. Amendments	o the claims of the Inte	ernational Application under PCT Article 19 ((35 U.S.C. 371(c)(3))		
a. \square are	attached hereto (requi	ired only if not communicated by the Interna	tional Bureau).		
b hav	e been communicated	by the International Bureau.			
c. L hav	e not been made; how	vever, the time limit for making such amendn	nents has NOT expired.		
d. La hav	e not been made and	will not be made.			
8. An English la	iguage translation of th	he amendments to the claims under PCT Ar	ticle 19 (35 U.S.C. 371(c)(3)).		
9. An oath or dec	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).				
	An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).				
Items 11 to 20 below	concern document(s	s) or information included:			
11. An Information	An Information Disclosure Statement under 37 CFR 1.97 and 1.98.				
12. An assignmen	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.				
13. A preliminary	A preliminary amendment.				
14. An Application	An Application Data Sheet under 37 CFR 1.76.				
15. A substitute sp	A substitute specification.				
16. A power of atte	A power of attorney and/or change of address letter.				
17. A computer-re	A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.				
18. A second copy	A second copy of the published International Application under 35 U.S.C. 154(d)(4).				
19. A second copy	of the English langua	ge translation of the international application	n under 35 U.S.C. 154(d)(4).		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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10/540,161 PCT/GB03/05565			37737-012		
Express N	s or information: Mail Label No. ED 69753 eposit: June 6, 2006	91765 US			
The following	fees have been submitted	<u> </u>		CALCULATIONS	PTO USE ONLY
21. Basic nati	ional fee (37 CFR 1.492(a))		\$300	\$	
22. Examination	on fee (37 CFR 1.492(c))				
by IPEA/US in	repared by ISA/US or the int dicates all claims satisfy pro	\$			
23. Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)				\$	
TOTAL OF 21, 22 and 23 = Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets Extr		Number of each additional 50 or fraction RATE thereof (round up to a whole number)			
100 =	/50 =	- 47 H	x \$250	\$	
	for furnishing any of the sea nencement of the national sta	rch fee, examination fee, or the age (37 CFR 1.492(h)).	oath or declaration	\$ _{130.00}	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	- 20 =		x \$50	\$	
Independent claims	- 3 =	0	× \$200	\$	
MULTIPLE DEPENDE	ENT CLAIM(S) (if applicable)		+ \$360	\$	
		TOTAL OF ABOVE	CALCULATIONS =	\$	
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.				65.00	
SUBTOTAL =				\$ 65.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
TOTAL NATIONAL FEE =				\$	
•	enclosed assignment (37 CF er sheet (37 CFR 3.28, 3.31)	R 1.21(h)). The assignment mu \$40.00 per property	st be accompanied +	\$	
/2006 LLANDGRA 00000063 10540161 TOTAL FEES ENCLOSED =				\$ 65.00	
2617 65.00 OP				Amount to be refunded:	\$
				Amount to be charged	\$

'а. 🚺 b. 🔲	A check in the amount of \$ 65.00 Please charge my Deposit Account A duplicate copy of this sheet is encounted.	No	_ to cover the above in the amount of \$ _	fees is enclosed to cover the above fees.
c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No A duplicate copy of this sheet is enclosed. d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed				
and gra	nted to restore the International Ap	plication to pend	ing status.	
Sonia I Lawsor 88 Blac	LL CORRESPONDENCE TO: K. Guterman n & Weitzen, LLP ck Falcon Ave., Suite 345 , MA 02210			SIGNATURE Sonia K. Guterman NAME 44,729 REGISTRATION NUMBER
		a a a a a a a a a a a a a a a a a a a	0 0. 10 11 12 12 13 14 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	

PRIORITY DATE

12/20/2002



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandra, Viginia 22313-1450 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.	
10/540,161	Duncan Hudson Gregory	37737-012	
		INTERNATIONAL APPLICATION NO.	
		PCT/GB03/05565	

48425 LAWSON & WEITZEN, LLP 88 BLACK FALCON AVE SUITE 345 BOSTON, MA 02210

CONFIRMATION NO. 3595
371 FORMALITIES LETTER
OC000000018636957

I.A. FILING DATE

12/18/2003

Date Mailed: 04/27/2006

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- · Indication of Small Entity Status
- Copy of the International Application filed on 06/17/2005
- Copy of the International Search Report filed on 06/17/2005
- Copy of IPE Report filed on 06/17/2005
- Preliminary Amendments filed on 06/17/2005
- Request for Immediate Examination filed on 06/17/2005
- U.S. Basic National Fees filed on 06/17/2005
- Priority Documents filed on 06/17/2005
- Specification filed on 06/17/2005
- Claims filed on 06/17/2005

The applicant needs to satisfy supplemental fees problems indicated below.

The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath
 or declaration) as set forth in 37 CFR 1.492(h) of \$65 for a small entity in compliance with 37 CFR 1.27,
 must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

RECEIVED

MAY 01 2006

LAWSON & WEITZEN, LLP

Total additional fees required for this application is \$65 for a Small Entity:

• \$65 Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

A copy of this notice **MUST** be returned with the response.

KAYA L LEWIS BALTIMORE

Telephone: (703) 308-9140 EXT 202

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY, DOCKET NO.
10/540,161	PCT/GB03/05565	37737-012

FORM PCT/DO/EO/905 (371 Formalities Notice)

Attorney Docket No. 37737-012
Express Mail Label No. ED 697531765 US

Date of Deposit: June 6, 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS:

Gregory et al.

SERIAL NUMBER:

10/540,161

EXAMINER:

Not yet assigned

FILING DATE:

June 17, 2005

ART UNIT:

Not yet assigned

FOR:

Nanostructures

Mail Stop PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Response to Notification of Missing Requirements Under 35 U.S.C. 371

Responsive to a Notice of Missing Requirements under 35 U.S.C. § 371 mailed from the U.S. Patent and Trademark Office on April 27, 2006, Applicants submit the executed inventor's Oath/Declaration herewith to complete the requirements for acceptance under 35 U.S.C. § 371.

A check in the amount of \$65.00 for the surcharge for late filing of the oath is enclosed, along with a Transmittal Letter to the United States Designated Office for a second submission of items under 35 U.S.C. 371, and a copy of the Notice of Missing Requirements. As this Response is filed before June 27, 2006, Applicants believe that no fee for an extension of time is due.

Respectfully submitted,

Sonia K. Guterman, Reg. No. 44,729

(Getterman

Attorney for Applicants

Lawson & Weitzen, LLP

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Boston, Massachusetts 02111

Tel: (617) 439-4990

Fax: (617) 439-3987 Customer Number 48425

Date: June 6, 2006